

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
**WO 2005/055485 A2**

(51) International Patent Classification<sup>7</sup>: **H04L**  
(21) International Application Number:  
PCT/KR2004/003160  
(22) International Filing Date: 2 December 2004 (02.12.2004)  
(25) Filing Language: Korean  
(26) Publication Language: English  
(30) Priority Data:  
10-2003-0086842  
2 December 2003 (02.12.2003) KR

(71) Applicant (for all designated States except US): **LG ELECTRONICS INC.** [KR/KR]; 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SEOL, Jee Woong** [KR/KR]; 1003-904, Joo-Mong APT., Gwangjeong-dong, Gunpo-si, Gyeonggi-do 110-031 (KR).

(74) Agents: **BAHNG, Hae Cheol et al.; KBK & Associates**, 15th Floor Yo Sam Building, 648-23, Yeoksam-dong, Kangnam-gu, Seoul 135-080 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

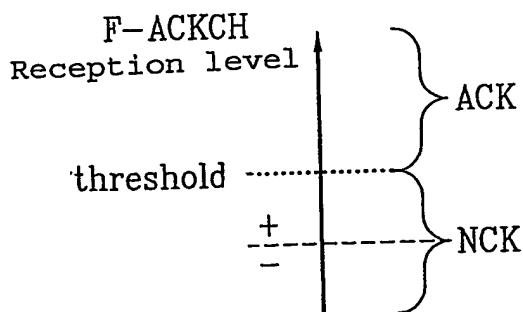
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF POWER CONTROL AND ACKNOWLEDGEMENT CONTROL FOR F-ACKCH



(57) Abstract: The present invention provides a power control method of a forward-acknowledgement channel and acknowledgement control method thereof, by which acknowledgement or non-acknowledgement information for a boost mode operation used for a quality of service (Qos) can be efficiently received. The present invention includes the steps of receiving packet transmission information in a base station and determining a power of a transmission signal transmitted via the forward-acknowledgement channel (F-ACKCH) using an increment for a reference transmission power value of a boost mode in case that the packet transmission control information contains a boost operation.

WO 2005/055485 A2